

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 04 MAY 2005

WIPO PCT

PCT

To:

see form PCT/ISA/220

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing  
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference  
see form PCT/ISA/220

**FOR FURTHER ACTION**  
See paragraph 2 below

International application No.  
PCT/IB2005/050053

International filing date (day/month/year)  
05.01.2005

Priority date (day/month/year)  
05.01.2004

International Patent Classification (IPC) or both national classification and IPC  
H04N9/73, H05B37/02

Applicant  
KONINKLIJKE PHILIPS ELECTRONICS, N.V.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

### 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



European Patent Office - P.B. 5818 Patentlaan 2  
NL-2280 HV Rijswijk - Pays Bas  
Tel. +31 70 340 - 2040 Tx: 31 651 epo nl  
Fax: +31 70 340 - 3016

Authorized Officer

Pigniez, T

Telephone No. +31 70 340-3403



**WRITTEN OPINION OF THE  
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International application No.  
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**Box No. I Basis of the opinion**

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1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. type of material:  
☐ a sequence listing  
☐ table(s) related to the sequence listing
  - b. format of material:  
☐ in written format  
☐ in computer readable form
  - c. time of filing/furnishing:  
☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE  
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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or  
industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

Novelty (N)	Yes: Claims	1-20
	No: Claims	
Inventive step (IS)	Yes: Claims	1-20
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-20
	No: Claims	

**2. Citations and explanations**

**see separate sheet**

**Re Item V.**

- 1 Reference is made to the following documents:  
D1 : PATENT ABSTRACTS OF JAPAN vol. 018, no. 672 (E-1646), 19  
December 1994 (1994-12-19) & JP 06 267664 A (TOSHIBA LIGHTING &  
TECHNOL CORP), 22 September 1994 (1994-09-22)  
D2 : PATENT ABSTRACTS OF JAPAN vol. 014, no. 413 (E-0974), 6  
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IND CO LTD), 18 June 1990 (1990-06-18)  
D3 : PATENT ABSTRACTS OF JAPAN vol. 018, no. 324 (E-1564), 20  
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WORKS LTD), 18 March 1994 (1994-03-18)  
D4 : US 5 668 890 A (WINKELMAN ET AL) 16 September 1997 (1997-09-16)
2. Document D1, which is considered to represent the most relevant state of the art,  
discloses a method for extracting and processing video content encoded in a  
rendered color space (RGB) to be emulated by an ambient light source comprising  
extracting color information from a video signal that encodes at least some of said  
video content in said rendered color space.  
From this, the subject-matter of independent claim 1 differs in that no color space  
transformation is defined.
- 2.1 The subject-matter of claim 1 is therefore novel (Article 33(2) PCT)  
The problem to be solved by the present invention may be regarded as giving proper  
colorimetry and appearance for the ambient light source.
- 2.2 The solution to this problem proposed in claim 1 of the present application is  
considered as involving an inventive step (Article 33(3) PCT) because none of the  
cited prior art neither discloses nor suggests to transform the color information into a  
color space suitable for the ambient light sources.
3. The independent claims 15 and 18 differ from claim 1 especially by precising

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INTERNATIONAL SEARCHING  
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/IB2005/050053

which kind of color information is extracted from the video signal. The same reasoning as defined in 2. applies then to claims 15 and 18.

The subject-matter of claim 15 and 18 is therefore new (Article 33(2) PCT).

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**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

Novelty (N)	Yes: Claims	1-20
	No: Claims	
Inventive step (IS)	Yes: Claims	1-20
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From this, the subject-matter of independent claim 1 differs in that no color space transformation is defined.

- 2.1 The subject-matter of claim 1 is therefore novel (Article 33(2) PCT)  
The problem to be solved by the present invention may be regarded as giving proper colorimetry and appearance for the ambient light source.
- 2.2 The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) because none of the cited prior art neither discloses nor suggests to transform the color information into a color space suitable for the ambient light sources.

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